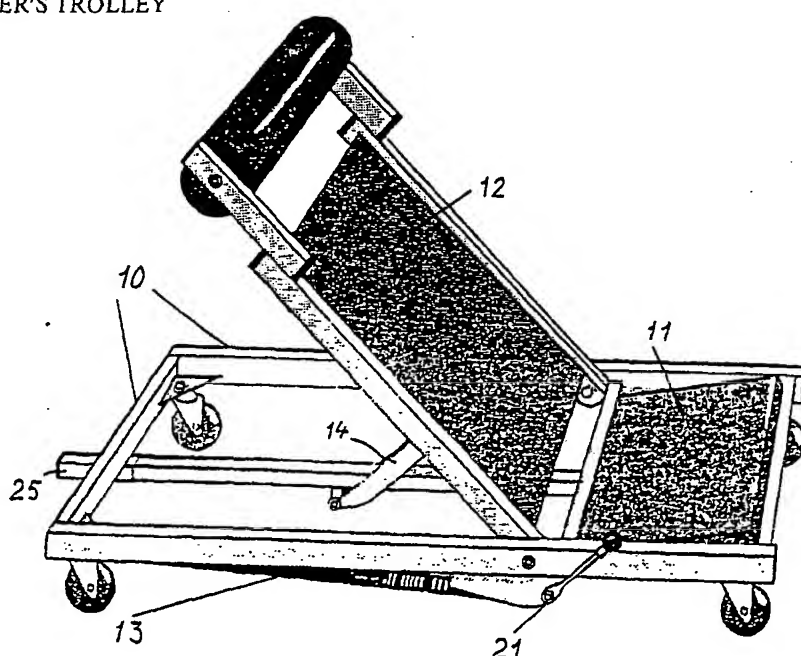


INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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| (51) International Patent Classification ⁴ : B25H 5/00 | A1 | (11) International Publication Number: WO 88/ 09709 (43) International Publication Date: 15 December 1988 (15.12.88) |
| <p>(21) International Application Number: PCT/SE88/00294</p> <p>(22) International Filing Date: 31 May 1988 (31.05.88)</p> <p>(31) Priority Application Number: 8702456-8</p> <p>(32) Priority Date: 12 June 1987 (12.06.87)</p> <p>(33) Priority Country: SE</p> <p>(71)(72) Applicant and Inventor: FRIARE, Ingemar [SE/SE]; Uppfinnarvägen 2, S-794 00 Orsa (SE).</p> <p>(74) Agent: OMMING, Allan; A Omming & Co AB, Svea- vägen 28-30, S-111 34 Stockholm (SE).</p> <p>(81) Designated States: AT (European patent), BE (Euro- pean patent), CH (European patent), DE (European patent), DK, FI, FR (European patent), GB (Euro- pean patent), IT (European patent), LU (European patent), NL (European patent), NO, SE (European patent),</p> | | <p>US.</p> <p>Published <i>With international search report.</i></p> |
| <p>(54) Title: A FITTER'S TROLLEY</p> <div>  </div> <p>(57) Abstract</p> <p>A fitter's trolley comprises a wheeled chassis (10), a seat (11) and a pivorable back rest (12). For the purpose of locking the back rest (12) securely in selected positions there is provided a locking arrangement which includes a locking lever (21) located on one side of the chassis (10), a rotatable locking rod (22) which rotates about its longitudinal axis in response to movement of the locking lever (21) and which has a screw-threaded end for co-action with a nut (23), and a locking head (24) which is stationarily mounted in relation to the chassis. When applying the locking lever frictional locking takes place in the locking head between the locking rod and a support rod or bar (25) which passes through the locking head and which is displaced in response to pivotal movement of the back rest (12).</p> | | |

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A FITTER'S TROLLEY.

TECHNICAL FIELD

The present invention relates to a so-called fitter's
5 trolley of the kind which comprises a wheeled chassis on
which there is arranged a seat and a back rest which can
be swung smoothly and continuously between a horizontal,
collapsed position to a vertical or raised position.

10 BACKGROUND PRIOR ART

One drawback with fitter's trolleys of this kind is that
it is relatively difficult to lock the back rest securely
in desired positions between the horizontal and vertical
terminal positions of the back rest in a simple manner.

15 The object of the invention is to provide such a trolley
with which this drawback is not found.

SUMMARY OF THE INVENTION

A fitter's trolley constructed in accordance with the in-
20 vention has a locking arrangement for locking the back
rest in desired positions of adjustment. This locking
arrangement includes a locking lever which can be readily
reached from one side of the chassis, a rotatable or
twistable locking rod which has a screw thread at one end
25 thereof and which is secured to the locking lever, and a
nut which is attached to a cylindrical locking head and
which co-acts with the screw-threaded end of the locking
rod. A support rod or bar, which is movably mounted on
the back rest and displaceable in the direction of the
30 longitudinal axis of the chassis, is passed through the
locking head and capable of being locked thereto by means
of the locking rod when applying the locking lever.

BRIEF DESCRIPTION OF THE DRAWINGS

35 The invention will now be described in more detail with

reference to the accompanying schematic drawing, in which

Figure 1 illustrates a fitter's trolley with the back rest raised obliquely, and

5

Figure 2 is a detailed illustration of a locking arrangement by means of which the back rest can be locked in selected positions.

10 DESCRIPTION OF A PREFERRED EMBODIMENT

The trolley illustrated in Figure 1 includes a wheeled chassis 10 on which there is arranged a seat (seat cushion) 11 and a pivotal back rest 12. A support rod or bar 25, which is displaceable in the longitudinal direction of the chassis, is secured to the rear side of the back rest 12, via a pivotable arm 14, in a manner such that when the back rest is rotated from a horizontal, collapsed position to a raised position the support rod or bar 25 is moved axially in the longitudinal direction of the chassis 10 (from left to right) through two sleeves attached to the chassis 10, one of which sleeves is indicated opposite the rear cross beam of the chassis and is hidden from view by the seat-construction. The back rest is lifted smoothly to selected positions, by means of a spring 13. The back rest 12 can be firmly locked in a selected position by means of a locking arrangement, illustrated more clearly in Figure 2, by applying a locking lever 21.

As will be seen from Figure 2, the locking arrangement includes said locking lever 21, a rotatable locking rod 22 which is attached to the locking lever, the left-hand end of said locking lever being provided with a screw thread, and a nut 23 which is attached to a cylindrical locking head 24 and intended for co-action with the screw threaded end of the locking rod 22. The locking head 24

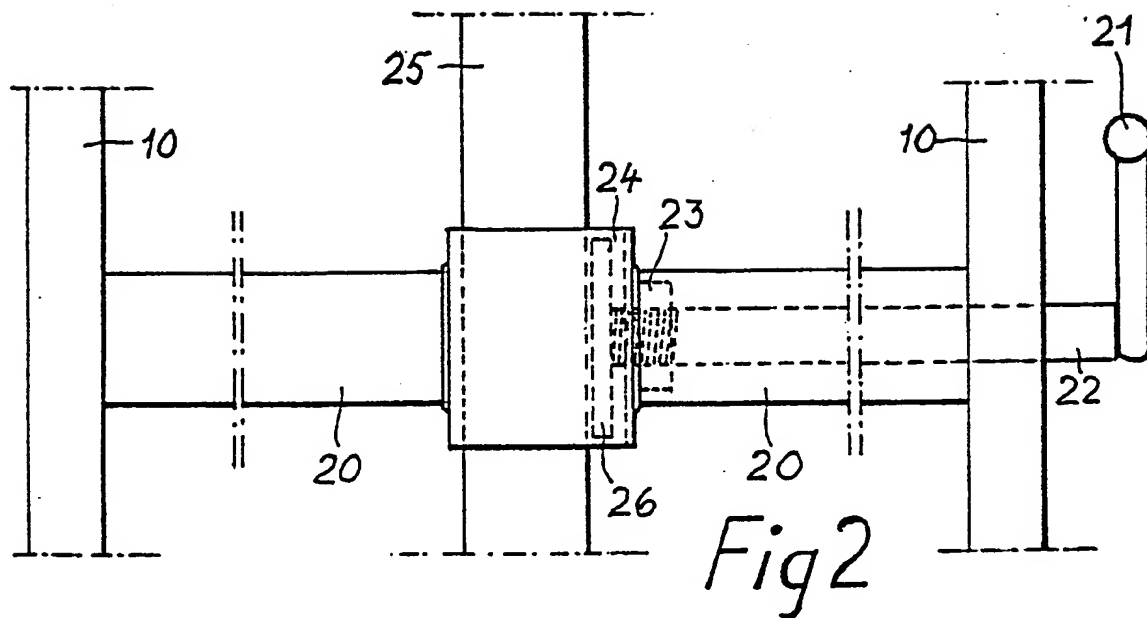
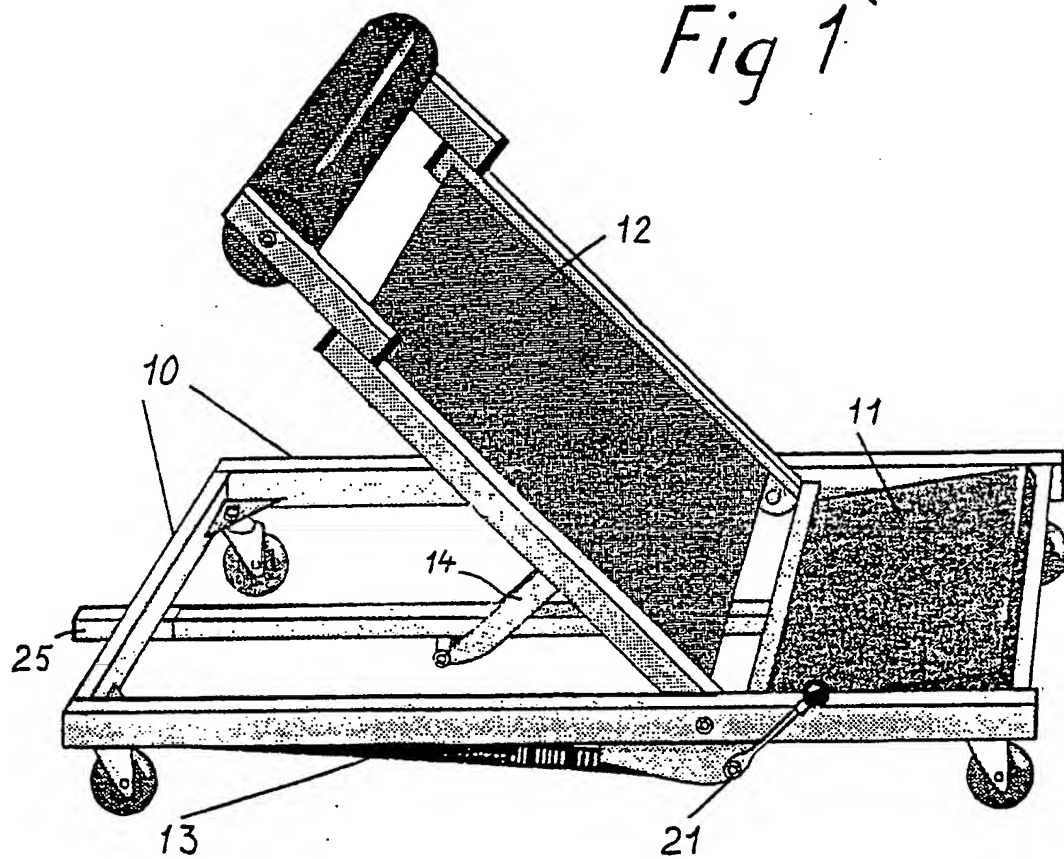
is stationarily arranged relative to the chassis 10, via two steel tubes 20. Located between the locking rod 25 and the screw threaded end of the locking rod 22 is a relatively long locking plate 26 which is placed in the
5 locking head 24 and which is movable in the transverse direction of the chassis. The friction prevailing between the locking plate 26 and the support rod or bar 24 provides effective locking of the back rest in selected positions.

CLAIMS

1. A fitter's trolley which comprises a wheeled chassis (10) on which there is arranged a seat and a pivotable
5 back rest (12) which can be swung smoothly from a horizontal, collapsed position to a vertical or raised position, characterized by a locking arrangement for locking the back rest (12) firmly in selected positions between
10 said collapsed position and said raised position, said locking arrangement including a locking lever (21) located on one side of the chassis (10); a pivotable locking rod (22) which is attached to the locking lever (21) and the end of which remote from the locking lever (21) is provided with a screw thread; and a nut (23) which is
15 attached to a cylindrical locking head (24) and intended for co-action with the screw threaded end of the pivotable locking rod (22), said locking head (24) being stationarily mounted in relation to the chassis (10); and in that a support rod or bar (25) which is movably attached to the
20 back rest (12) and which can be moved linearly in the longitudinal direction of the chassis in response to movement of the back rest is arranged to be displaced through the locking head (24) and locked firmly in relation thereto by means of the locking rod (22) when the back rest
25 (12) is adjusted to a desired position.

2. A fitter's trolley according to claim 1, characterized by a relatively long friction plate (25) which is positioned in the locking head (24) between the support rod
30 (25) and the screw threaded end of the locking rod (22) and which can be moved in the transverse direction of the chassis.

Fig 1



ERNATIONAL SEARCH REPC

International Application No PCT/SE88/00294

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| II. FIELDS SEARCHED | | |
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